

STIWELL[®] PROFES **NEW**

Functional Electrical Stimulation (FES) Device

Origin: Austria
Certificate: CE



Functional electrical stimulation (FES) is an essential part of rehabilitation in neurology, as well as in complex movement disorders. The aim is to promote task-oriented and repetitive training to support motor learning and to (re)train lost functions.

Features

- The device offers ready-to-use programs and customizable options for personalized therapy
- It includes features like EMG-triggered stimulation, biofeedback games, and 4-channel EMG analysis
- Suitable for both inpatient and home-based therapies, it supports a wide range of conditions



Applications

- Stroke
- Facial Palsy
- Musuloskeletal Disorders
- Neural Lesion
- Hand Injury
- Incomplete Tetraplegia
- Infantile Cerebral Palsy
- Multiple Sclerosis
- Incontinence

MyOnyx 4-Channel Encoder

Portable, Rechargeable Device
For Surface EMG Biofeedback & Electrostimulation

Origin: Canada
Certificate: EC, Canada, FDA, IEC 60601-1,
MDD certificate of Listing No. 240149

Portable & wireless operates alone, with a mobile app or PC software.

Implementing the best evidence and current concepts of motor learning, neuroplasticity, and patient centered care and engagement.

Setting the stage for the clinician to bring their own knowledge and expertise into the treatment, rather than offering a one-size-fits-all solution.



Features

- **Electrostimulation:** 4 channels of fully customizable powerful stimulation
- **SEMG Surface Electromyography:** 2 channels of 2048s/s raw signal. A plethora of feedback types and options: games, music, and animations. Simple or detailed reviewing, editing and reporting features. Measure patient muscle activation efforts, and teach relaxation, activation or fine motor control with the power of Biofeedback
- **ETS EMG-Triggered Stimulation:** state of the art modality allows patients to start a task actively, and be assisted by electrostimulation once reaching a set threshold, thereby rewarding effort with movement and promoting neuroplasticity

1 Basic - T9000



Features

- Standalone mode
- Remote control mode

Components

- 1 MyOnyx device
- 4 EMG/STIM 2 lead cables with DIN connectors
- 1 Patient drive lead
- Medical grade power supply
- 4 DIN to snap adapters
- Electrode samples (3 Unigel & 1 Axelgaard STIM electrode)
- MyOnyx hardware manual
- MyOnyx App (Available on Google Play)

2 Extended - T9030



Features

- Standalone mode
- Remote control mode
- PC control mode

Components

- All the components of the basic package
- BioGraph Infiniti & DeveloperTools
- MyOnyx Rehab Solution

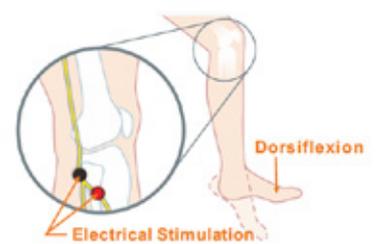
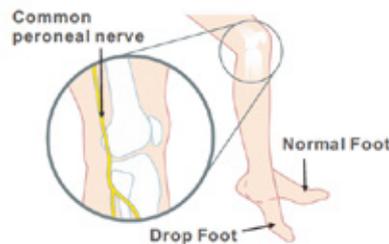
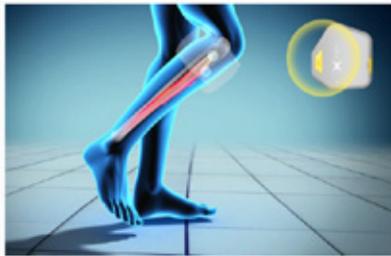
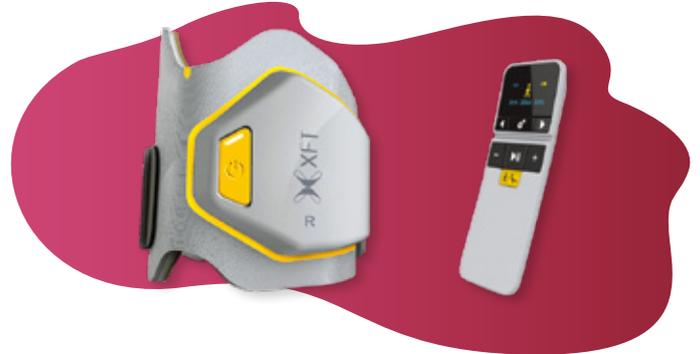
G3

FES Anti-Foot Drop System

Origin: China

Certificate: CE, IEC 60601-1

XFT-2001D Foot Drop System adopts advanced MEMS sensor technology and intelligent algorithms, precisely controlling the time and duration of electrical stimulation by tracking the swing angle and pace of patients' legs.



Features

- Advanced ergonomic design makes the electrode fit the leg muscles
- Ultra-thin design makes the device can be covered by trousers perfectly
- Magnetic clasp for one-handed operation

Training Mode:

- For patients unable to perform active training; supports transition from passive to walking training
- Enables muscle training in seated or lying positions to aid recovery and prevent atrophy
- Improves ankle mobility and local blood circulation through cyclic, preset programs

Gait Mode:

- Stimulates leg muscles while walking
- Helps restore neurological motor function
- Trains patients to walk with a normal gait
- Repeated training leaves traces in the cerebral cortex and transmits signals to the central nervous system

Applications

- Stroke
- Hemiplegia
- Incomplete Spinal Cord Injury
- Multiple Sclerosis
- Traumatic Brain Injury

G4

FES Anti-Foot Drop System

Origin: China

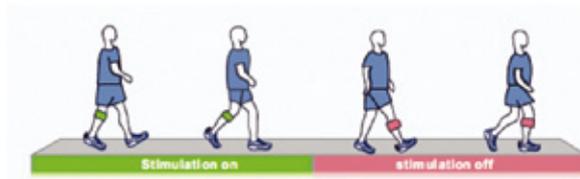
Certificate: IEC 60601-1-2, CE, NMPA, MDD Certificate of Listing No. 230298

XFT-G4 Foot Drop System adopts advanced MEMS sensor technology and intelligent algorithms, precisely controlling the time and duration of electrical stimulation by tracking the swing angle and pace of patient's leg.



Working Principle

XFT-G4 delivers electrical pulses to the common peroneal nerve as well as the tibialis anterior and other muscles to make the movement dorsiflexion and eversion. Those mild electrical pulses stimulate patient's leg muscle, making them lift the foot at an appropriate phase while walking and therefore enabling patient to walk more steadily, naturally and safely.



Features

Featuring with medical-grade stainless steel electrodes, carefully crafted to integrated with the most ever durable IML panel made for outstanding water and dust resistance.

- **Medical-grade Stainless Steel Electrodes**
Medical-grade stainless steel electrodes for precise positioning. The patient's common peroneal nerve is stimulated more accurately by our patented sequential electrodes.
- **Crystal Clean OLED Display Screen**
New Design. New Technology. The OLED display screen presents a bright and vibrant visual effects. The IML touch panel is durable and luminous.
- **Home User APP**
Equipped with an app and adopts the cutting-edge "XFT Cloud" technology, which allows you to achieve information.

Applications

- Stroke
- Hemiplegia
- Incomplete Spinal Cord Injury
- Multiple Sclerosis
- Traumatic Brain Injury

Updates

The new G4 uses aluminum electrodes to replace previous quick fit electrodes.

H2

Hand Rehab System

Origin: China

Certificate: CE, NMPA, IEC 60601-1, IEC 60601-1-2, MDD
Certificate of Listing No. 230273

H2 combines biofeedback sEMG, PAS and integrated electrodes, providing perfect user experience for medical personnel and patients.

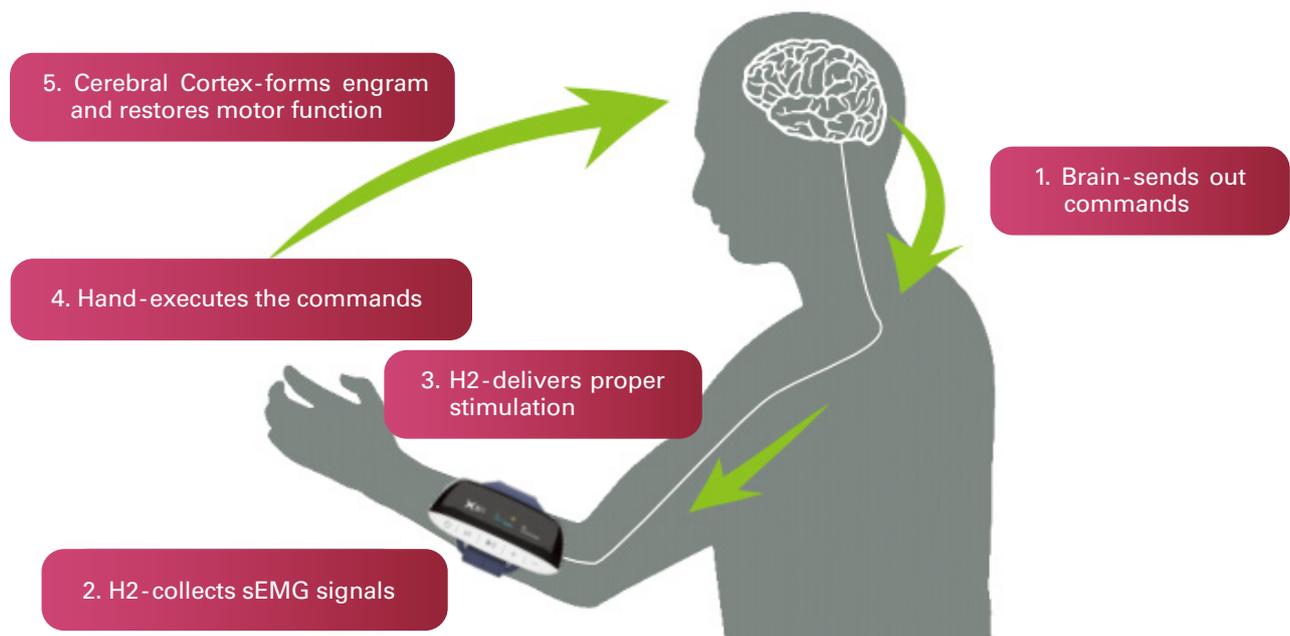


Use and Benefits

- Increase hand function
- Increase or maintain hand range of motion
- Reduce muscle spasms
- Retard muscle atrophy
- Re-educate muscles
- Increase blood circulation

Features

- **Biofeedback**
sEMG monitor, display of maximum/minimum/average value, objective and quantifiable.
- **Multimedia Biofeedback Training**
Patients control the game by contracting certain muscles, enjoying the fun in rehabilitation H1 training. The training activates brain cells, improves recognition and strengthens muscles, and it also exercises muscles in the aspect of endurance, coordination, and balance.



XFT-2005A

Physical Therapy Robotic Gloves with EMG Biofeedback

Origin: China

- A hand rehabilitation device that combines EMG electromyographic feedback via an armband and flexible pneumatic robotic glove.
- Uses a flexible comfortable air-activated system.
- Multiple preset training programs for passive, active, and resistive training and a mirror training component.
- Improves motor function, decreases muscle atrophy, and improves range of motion.



Six functional training modes



Extension and Flexion Training Mode



Finger Tip Touch Training Mode



Single Finger Training Mode



Power Assist Training Mode



Resistance Training Mode



Mirror Training Mode

Innovative Mirror Therapy:

- XFT-G4 delivers electrical pulses to the common peroneal nerve as well as the tibialis anterior and other muscles to make the movement dorsiflexion and eversion. Those mild electrical pulses stimulate patient's leg muscle, making them lift the foot at an appropriate phase while walking and therefore enabling patient to walk more steadily, naturally and safely.

How does the EMG function work?

- The EMG Armband monitors the EMG signal from the unaffected or involved upper limb. This triggers the robotic glove to initiate movement.
- This type of active learning:
 - Enhances patients motor function
 - Promotes optimal learning
 - Prevents muscle atrophy

ReGrasp

Simple, Intuitive FES Hand Device

Origin: Canada
Certificate: Canada, FDA, CE, MDD Certificate of Listing
No. 230355, IEC 60601-1

The ease of setup, training and application mean that Functional Electronic Stimulation (FES) can be used for short therapeutic sessions either in the clinic or at home, as well as an assistive tool for daily activities.



Use and Benefits

- Improve hand active range of motion and hand function
- Facilitate daily tasks
- Re-educate muscles
- Maintain or increase range of motion
- Prevent or retard disuse atrophy
- Increase local blood circulation
- Reduce muscle spasms
- Help paralyzed fingers move



ReGrasp Clinician System Also Available



Simple to use and set-up, the ReGrasp Clinician System is the ideal tool for physicians and therapists to use with patients to regain hand function while undergoing hand rehabilitation therapy. Use ReGrasp Clinician System for NMES to:

- Maintain and/or increase range of motion
- Prevent and/or reduction of disuse atrophy
- Increase local blood circulation
- Reduce muscle spasms
- Promote muscle re-education through the mechanism of neuroplasticity